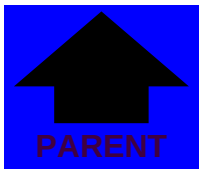
PRIME ROLL OF HONOUR



Introduction

This document represents our best efforts to individually acknowledge those workers whose significant efforts have provided the data presented on this CD-ROM. However, there are two caveats. First, we cannot hope to know precisely every individual contribution in such a large international community as PRIME. Secondly, we are only human and can make mistakes as easily as anyone else. So, if you find your name is missing from where it deserves to be, please do not take offence and accept our sincere apologies.

The acknowledgements are presented using the same logical structure as the data on the CD-ROM with the following data categories:

Underway Data Set

The PRIME Database

Under the terms of the MAST data policy, all data on this CD-ROM will have entered the public domain by the time this CD-ROM is published. However, it is still necessary to acknowledge the source of any data used in subsequent publications just as if the CD-ROM were a journal.

Sufficient information has been provided in this document, in the data documentation and as originator codes tagged to the data for the originators to be identified. It is suggested that data be acknowledged by reference to the originator (e.g. Savidge, 2000) with the CD-ROM cited as PRIME Data Set, CD-ROM electronic publication, British Oceanographic Data Centre, Birkenhead, 2000.'

Underway Data Set

Discovery cruise DI221

The underway systems operation and initial data processing were undertaken by Research Vessel Services personnel on board ship. The technical personnel were **Tony Poole, Phil Taylor**, **Chris Rymer**, and **Dave Teare**. The computer operators were **Rob Lloyd** and **Paul Duncan**. The remaining data processing and calibrations were done by BODC.

The PRIME Database

The acknowledgements have been split into the following groupings:

CTD and SeaSoar Data

Air and Water Sample Data

Rate Measurements

CTD and SeaSoar Profiles

The PRIME database contains nearly 500 CTD or pseudo-CTD (SeaSoar) profiles collected during 2 cruise legs. Many people contributed behind the scenes to the collection of these data. Where these are known they are listed, but in some cases all we know is who supplied the data to BODC.

CTD and SeaSoar operations were undertaken by Research Vessel Services personnel on board ship. The CTD operators were **Tony Poole, Phil Taylor**, **Chris Rymer**, and **Dave Teare**. The computer operators were **Rob Lloyd** and **Paul Duncan**. The on-board data processing and calibrations were done by **Adrian Martin** of SOC and by **Ian Wade** of UEA. Post-cruise checks were carried out by BODC. CTD data from the mesocosm experiment were provided by **the PRIME Project Office** at the University of Wales, Bangor.

Information on UOR tows and optics profiles was provided by **Guy Westbrook** of CCMS Plymouth Marine Laboratory**.**

Air and Water Sample Data

Bacterial Production, Abundance and Characteristics

Mike Zubkov from Southampton University, UK, determined bacterial abundance and production. He and **Glen Tarran** (CCMS Plymouth Marine Laboratory, UK) determined bacterial characteristics using automated flow cytometry.

Dissolved Organic Carbon

Dissolved organic carbon was determined by **Axel Miller** working at the CCMS Plymouth Marine Laboratory, UK.

Dissolved Total Nitrogen

Axel Miller working at the CCMS Plymouth Marine Laboratory, UK, determined dissolved total nitrogen using HTCO.

Particulate Organic Carbon, Inorganic Nitrogen

Bob Head from the CCMS Plymouth Marine Laboratory, UK.

Nutrients

Nutrients were measured by **Malcolm Woodward** and **Andy Rees** of CCMS Plymouth Marine Laboratory.

Carbonate System Parameters

Carbonate system parameters were determined by **Jane Robertson** of Southampton University and by **Gideon Middleton** and **Hilary Kennedy** of the University of Wales, Bangor.

Chlorophyll

Chlorophylls were determined by the following workers:

> **Graeme Hays** of University of Wales, Swansea and **Polly Hadziabdic (nee Machin)** of BODC.

Graeme Hays also provided data on chlorophyll concentrations determined during U-TOW deployments.

Stuart Gibb working at the CCMS Plymouth Marine Laboratory provided data on chlorophyll and pigment concentrations determined by HPLC.

Dimethylsulphide and its Precursors

Dimethylsulphide and its precursors DMSP and DMSO were determined by **Sue Turner** from the University of East Anglia, UK.

Dissolved Oxygen

Dissolved oxygen determinations by Winkler titration were made by **Jane Robertson** of Southampton University and by **Tracy Bentley** and **Claudia Castellani** of the University of Wales, Bangor during PRIME. They also determined size-fractionated respiration rates.

Dissolved Tracers (SF6)

Determinations were made by **Cliff Law** and **Malcolm Liddicoat** of the CCMS Plymouth Marine Laboratory, UK

Microzooplankton Biomass and Grazing

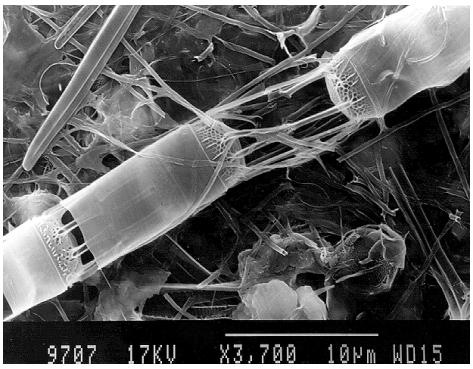
Microzooplankton abundance, biomass and grazing together with data on heterotrophic and photosynthetic nanoflagellate abundance were provided by **Peter Burkill, Elaine Fileman** and **Claire Stelfox** from the CCMS Plymouth Marine Laboratory, UK.

Mesozooplankton Fatty Acids

Data were supplied by **Roger Harris** and **David Pond** of CCMS Plymouth Marine Lab.

Phytoplankton Species Counts

Phytoplankton species counts were provided by **Derek Harbour** from the CCMS Plymouth Marine Lab, UK and by **Marion Yelland** of the University of Bristol, UK



Zooplankton Species Counts

Counts of overwintering zooplankton species from net hauls taken in the vicinity of OWS India were provided by **Dr. Mike Heath** and **Dr. Steve Hay** of the Marine Laboratory, Aberdeen.

Automated Flow Cytometry

Counts were provided by **Glen Tarran** of CCMS Plymouth Marine Lab. and by **Luan Al-Haddad** of the University of Glamorgan.

Optical Plankton Counter

Optical plankton counter data was provided by **Chris Gallienne** of CCMS Plymouth Marine Lab.

Genetic Assays

RuBisCO hybridisation data were supplied by **Mike Wyman** and **Andy Bedford** of Stirling University and by **Nyree West** of the University of Warwick.

Nyree West, **Dave Scanlan** and **Willie Wilson** of Warwick University supplied data on *Prochlorococcus*, *Synecchococcus* and phosphate stress.

References to the paper containing details of gene sequences (Davey et.al. PRIME Special Issue) were given by **Richard Kirby** of CCMS Plymouth Marine Lab.

Trace Metals

Data on iron and zinc concentrations and their associated ligands were provided by **Karen Mackenzie** and **Dr. CMG van den Berg** of Liverpool University and by **Alex Baker** of the University of East Anglia.

Ocean Weather Station India Data

All OWS India data (temperature, salinity, weather observations, pigments, nutrients, Secchi disk deployments and plankton distributions were collated and supplied by **Bob Williams** of CCMS Plymouth Marine Lab. These data were purchased by the **PRIME Project Office** at the University of Wales, Bangor for inclusion in the PRIME database.

Rate Measurements

The term 'rate measurement' in the context of the PRIME data set includes a range of experiments that determined the uptake of radioactive isotopes from the dissolved phase into the particulate phase.

Andy Rees from the CCMS Plymouth Marine Laboratory, UK and **Kirsten Donald** from Queen's University of Belfast, UK determined nutrient uptake as a proxy for production from *in-situ* and on-deck 24-hour incubation experiments.